



Astronautics Corporation of America

HSI

HORIZONTAL SITUATION INDICATORS

Astronautics manufactures more than 140 different types of Horizontal Situation Indicators (HSI), that are now flying on most military and civilian - fixed and rotary wing aircraft. Astronautics' HSIs can be modified or designed to meet your specifications.

Astronautics has produced more than 50,000 Horizontal Situation Indicators (HSI) for virtually every type of military aircraft and helicopter in the world. This F-15 HSI is a high reliability electromechanical instrument design based on the advances perfected over 40 years of HSI production. It has been proven in USAF and International Air Forces.



- Flight Director Compatible
- Elapsed Time Indicator
- Compatible with ASN-128 (Doppler)
- DME/Range Digital Input ARINC 568
- NVG Compatible Lighting
- Remote HDG Output
- Glide slope pointer
- DME
- Bearing Pointers
- GS Deviation Flag
- Compatible with TACAN ARN-118
- Digital Bearing Inputs
- Slaved Course
- Slaved Heading
- Mode lights
- Automatic slaving
- Bootstrap azimuth
- Digital inputs - ARIN 568, 582, 429
- SIN/COS Bearing Inputs
- Number of flags

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This sheet is for reference only, not as a basis for specifications..

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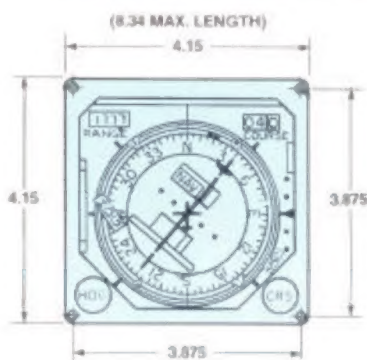
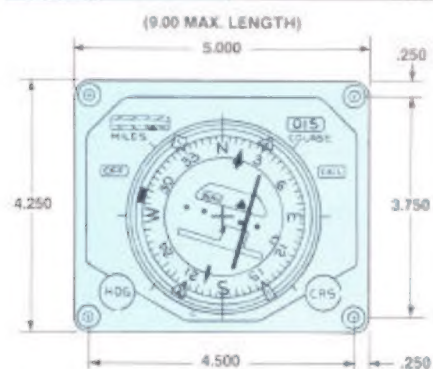
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Horizontal Situation Indicators

Major features:

- 3, 4 and 5 inch sizes
- Single or dual bearing pointers
- Remote or manual heading and course pointers
- Digital or analog interface to navigation sources
- DME readout - digital or analog inputs
- Digital course readouts
- Bootstrapped azimuth outputs
- Low power DC servo loops
- Flight director and/or autopilot compatible outputs
- Built-in Test (BIT) circuitry
- Qualified to MIL specs
- Glide slope
- Power warning indicator
- Color coded pointers
- To/From arrows
- Failure warning flags
- Night vision goggle compatible
- Simple front or rear mounted installation
- Special functions to meet specific requirements

ACA Part Numbers/ Designation	5 inch						4 inch					3 inch				
	104840	137980	132750	129400	126370	125810	135220	132570	129222	127450	123790	136710	134100	132370	130500	126480
Flight Director Compatible	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Elapsed Time Indicator	*						*						*	*	*	
Compatible with ASN-128 (Doppler)			*							*						*
DME Range Digital Input ARINC 568				*		*				*				*		
NVG Compatible Lighting		*													*	
Remote HDG Output	*			*	*		*					*		*	*	
Glide Slope Pointer				*	*	*	*	*	*	*	*	*		*	*	*
DME			*		*	*	*	*	*	*	*			*		
Bearing Pointers	2	2	2	2	2	2	2	1	2	2	2	1	1	1	1	1
GS Deviation Flag				*	*	*	*	*	*	*	*	*				
Compatible with TACAN ARN-118	*				*					*				*	*	
Digital Bearing Inputs		*	*		*	*				*	*				*	*
Slaved Course	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Slaved Heading	*			*	*	*	*	*	*	*	*	*	*	*	*	*
Weight (lbs.)	6.0 Max.						7.0 Max.					6.0 Max.				



- Options:
- Number of bearing pointers - ARINC compatible
 - Mode lights
 - Servoed course pointer

- DME readout
- Automatic Slaving
- Servoed heading bug
- Flight director outputs

- Glideslope - left side - right side
- Bootstrap azimuth
- Size and shape of flags

- Digital inputs - ARINC 568, 582, 429
- SIN/COS Bearing Inputs
- Number of flags

FOR MORE INFORMATION ON THIS OR ANY OF OUR OTHER PRODUCTS/SYSTEMS PLEASE CONTACT:
ASTRONAUTICS MARKETING, Phone: (414) 449-4000, Fax: (414) 447-8231, E-mail: busdev@astronautics.com
OR VISIT OUR WEBSITE www.astronautics.com

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